

10/533414 29.428.2005

Date of Deposit: April 29, 2005

LMC/SLR:dm 04/27/05 6682-66957-02 369563

	Attorney Docket Number	6682-66957-02
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	Currently unknown
	Filing Date	April 29, 2005
	First Named Inventor	Rogers
	Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
u·e·H		2003/0134825	07/17/2003	Bahoshy
		2003/0138543	07/24/2003	Bahoshy
		2003/0170374	9/11/2003	Bahoshy
		2002/0160459	10/31/2002	Berry et al.
	` `	6,225,493	5/1/2001	Prakash et al.
M·Ci H	·	6,432,929	8/13/2002	Stone

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
M C.H		WIPO	WO 01/93847 A2	13.12.2001	The Procter & Gamble Company
W.C.H		WIPO	WO 03/013435 A2	20.02.2003	Cargill, Incorporated
Examiner's Initials*	Cite No. (optional)		OTH	IER DOCUMENTS	3
			•	_	
		,			
	-				

55.52	EXAMINER SIGNATURE:	DATE CONSIDERED:	2/3/07	
-------	---------------------	---------------------	--------	--

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

BY APPLICANT

Attorney Docket Number	6682-66957-02
Application Number	10/533,414
Filing Date	April 29, 2005
First Named Inventor	Rogers
Art Unit	1623
Examiner Name	Michael C. Henry

FFR 0 1 2006

U.S. PATENT DOCUMENTS

Copied Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number Publication Date		Name of Applicant or Patentee
M·c·H		2,040,879	05/19/1936	Rigby
		3,232,836	02/01/1966	Carlozzi et al.
		3,632,754	01/04/1972	Balassa
		3,683,076	8/1972	Rovati
		3,903,268	09/02/1975	Balassa
		3,911,116	10/07/1975	Balassa
		3,914,413	10/21/1975	Balassa
		4,056,432	11/01/1977	Slagel et al.
		4,282,351	08/04/1981	Muzzarelli
		4,642,340	02/10/1987	Senin et al.
		4,806,474	02/21/1989	Hershberger
		4,886,541	12/12/1989	Hadwiger
		4,948,881	08/14/1990	Naggi et al.
	-	4,970,150	11/13/1990	Yaku et al.
		4,983,304	01/08/1991	Tsugita et al.
		5,219,749	06/15/1993	Bouriotis et al.
W.C. H		5,232,842	08/03/1993	Park et al.

EXAMINER SIGNATURE:

M

DATE CONSIDERED:

2/3/07

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SI R:dm	01/27/06	6682-66957-02	447230	CGL02/0396WO01 A55-522.1
SUN.UII	01/2//00	0002 00737-02	771230	OGLOSIOS I GOLI I I GOLI

SLR:dm 01/27	/06 6682-6	6957-02 447230 CGL02/	0396WO01 A55-522.1				
				Attorney	Docket Nu	mber 6682-66957-02	
				Application	on Number		
INFOR	MATION	DISCLOSURE S	TATEMENT	Filing Da	te	April 29, 2005	
		Y APPLICANT		First Nam	ed Invento	or Rogers	
				Art Unit		1623	
				Examiner	Name	Michael C. Henry	
M·C4		5,262,310	11/16/1993		Karube e	t al.	
1		5,702,939	12/30/1997	, " · · ·	Fujishim	a et al.	
		5,730,876	03/24/1998		You et al		
		5,843,923	12/01/1998		Schleck 6	et al.	
		5,859,263	01/12/1999)	Ghorpade	e et al.	
		5,902,801	05/11/1999)	Schleck 6	et al.	
		5,905,035	05/18/1999		Okada et	al.	
		5,985,644	11/16/1999)	Roseman	et al.	
		5,998,173	12/07/1999)	Haynes et al.		
		6,117,851	09/12/2000)	Sherman et al.		
		6,248,570	06/19/2001		Michon et al.		
M·c·H		6,333,399	5,333,399 12/25/2001		Teslenko et al.		
		FO	REIGN PATENT	T DOCUM	ENTS		
Examiner's Initials*	Cite No. (optional)	Country	Number	Publicat	tion Date	Name of Applicant or Patentee	
M·C·H		EP	0 566 349	10/1993		Mitsubishi Petrochemical Co.	
		EP	0 768 320	4/1997		Nippon Oil Co. Ltd.	

EXAMINER #) DATE	2/2/07
SIGNATURE:	CONSIDERED:	243/0/

12/23/1998

02/14/2001

5/2000

0 885 954 A1

1 075 836 A2

0 997 480

EP

EP

EP

M.C.H

Nestle SA

CA, Ltd.

Maruzen Petrochem Co. Ltd.

Yaizu Suizonkagaku Industry

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/27/06 6682-66957-02 447230 CGL02/0396W001 A55-522.1

SER.um 01121100 C	6682-66957-02 447230 CGL	02/0390W001 A33-322.1	Attorney Docket	Number	6682-66957-02	
			Application Nun	nber	10/533,414 April 29, 2005	
INFORMAT	TION DISCLOSURE	STATEMENT	Filing Date			
INFORMAT	BY APPLICANT		First Named Inve	entor	Rogers	
			Art Unit		1623	
			Examiner Name		Michael C. Henry	
_	Creat Britain	450 020	12/21/1936	Du Po	<u> </u>	
M·c.#	Great Britain	Great Britain 458,839		Dure	JIIL	
	Great Britain	785,525	10/30/1957	Amer	ican Home Prod	
	Great Britain	833,264	04/21/1960	Ciba	Ltd.	
	Great Britain	896,940	05/23/1962	Pfizer	r & Co C	
	Japan	55012109 (Abstract)	01/28/1980	Kogy	o Gijutsuin	
	Japan	62070401 A2 (Abstract)	03/31/1987	Fuji S	Spinning Co. Ltd.	
	Japan	62198366 A (Abstract)	09/02/1987	Natl I Seito	Food Res Inst Mitsui Kk	
	Japan	63097633 A2 (Abstract)	04/28/1988	Fuji S	Spinning Co. Ltd.	
	Japan	63225602 A2 (Abstract)	09/20/1988	Nitta	Gelatin KK	
	Japan	2149335 A2 (Abstract)	06/07/1990	Nippo	on Oils & Fats Co. Ltd.	
	Japan	2180903 A2 (Abstract)	07/13/1990	Nippo	on Oils & Fats Co. Ltd.	
	Japan	2200196 A2 (Abstract)	08/08/1990	Nippo	on Kayaku KK	
	Japan	2229832 A2 (Abstract)	09/12/1990		Spinning Co. Ltd.	
	Japan	2258740 A2 (Abstract)	10/19/1990	Taiyo	Kagaku Kogyo Co. Ltd.	
	Japan	5068580 A2 (Abstract)	10/23/1993	Pias A	Arise KK	
	Japan	7330808 A2 (Abstract)	12/19/1995	Daini	chiseika Color Chem.	
	Japan	8-41106 A (Translation)	02/13/1996			
M-GH	Japan	10297913 A2 (Abstract)	11/19/1998	Kawa	ken Fine Chemicals Co.	

EXAMINER SIGNATURE:	Ø.)	DATE CONSIDERED:	2/3	/p'	7
		 				

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/27/06 6682-66957-02 447230 CGL02/0396WO01 A55-522.1 6682-66957-02 Attorney Docket Number 10/533,414 **Application Number** April 29, 2005 Filing Date INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor Rogers 1623 Art Unit Michael C. Henry **Examiner Name** WO 98/30713 7/1998 **Bio-Technical Resources** WIPO M.C.H WIPO WO 98/42755 10/01/1998 University of Strathclyde WIPO WO 99/41294 8/1999 Exxon Chemical Patents Inc. DCV, Inc. d/b/a Bio-Technical WIPO WO 00/04182 01/27/2000 m.C1 Resources Examiner's Cite No. **OTHER DOCUMENTS** Initials* (optional) Database Caplus on STN: Accession No. 1976-519336, Document No. 85-119336, Perennation of Sphaerotheca mors-uvae as Cleistothcia with Particular Reference to Microbial Activity, Jackson et al., Transactions of the British Mycological Society (1976), M.C.H Vol. 66, part 3, pages 463-471. Database Caplus on STN: Accession No. 1999:816485, Document No: 132: 349193, Synthesis and Properties of N-Acetyl-D-Glucosamine, Li et al., Yaowu Shengwu Jishu (1999), Vol. 6, No. 3, pages 147-149. Aldrich, Catalog Hand book of Fine Chemicals, p. 756 (1996). Alonso et al., "Determination of the Degree of Acetylation of Chitin and Chitosan by Thermal Analysis," J. Thermal Analysis 28:189-193 (1983). Arcidiacono et al., "Molecular Weight Distribution of Chitosan Isolated from Mucor rouxii under Different Culture and Processing Conditions," Biotechnol. Bioeng. 39:281-286 (1992). Atrih et al., "Analysis of Peptidoglycan Structure from Vegetative Cells of Bacillus subtilis 168 and Role of PBP 5 in Peptidoglycan Maturation," J. Bacteriol. 181:3956-3966 Bartnicki-Garcia, "Cell Wall Chemistry, Morphogenesis, and Taxonomy of Fungi," Chem. Fungal Cell Wall, pp. 87-108 (1968). Benjakul et al., "Improvement of Deacetylation of Chitin from Black Tiger Shrimp (Penaeus monodon) Carapace and Shell," ASEAN Food J. 9:136-140 (1994). Beri et al., "Characterization of Chitosans via Coupled Size-Exclusion Chromatography and Multiple-angle Laser Light-Scattering Technique," Carbohydr. Res. 238:11-26

EXAMINER	A	DATE	2/2/27
SIGNATURE:	44	CONSIDERED:	~13 0

Biermann, "Hydrolysis and Other Cleavage of Glycosidic Linkages," Chapter 3, pp. 29-41

(1993).

(Date Unknown).

 $M \cdot C \cdot H$

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/27	7/06 6682-66957-02 447230 CGL02/0396WO01 A55-522.1					
		Attorney Docket Number	6682-66957-02			
INFORMATION DISCLOSURE STATEMENT		Application Number	10/533,414			
		Filing Date	April 29, 2005			
	BY APPLICANT	First Named Inventor	Rogers			
	•	Art Unit	1623			
		Examiner Name	Michael C. Henry			
M-C.#	Cargill Acidulants, "Proposal for ma Non-Shellfish Glucosamine Hydroc European Parliament and the Counc novel food ingredients," February 5,	hloride under Regulation (EC il of 27 January 1997 concert , 2004.	C) No 258/97 for the ning novel foods and			
1.	Cargill, Incorporated, "GRAS NOT	IFICATION for REGENASU	JRETM Glucosamine			
	Hydrochloride," April 6, 2004. Carlson et al., "Chitin/Chitosan Extr	raction from A Nigar Myseli	um " Caraill Control			
	Research, 16 pages (August 1997).	action from A. Niger Wrycen	uni, Cargui Centrat			
	"Chitin/Chitosan Specifications," Bi	opolymer Engineering Inc.				
		http://www.biopolymer.com/spec.htm, 1 page (Date Printed March 4, 1999).				
	Copy of glucosamine product label to					
	warning).					
	Copy of glucosamine product label i warning).	from HyVee HealthMarket (v	vith shellfish allergy			
	Copy of glucosamine product label i	from Osteo Bi-flex (2 pages)	(with shellfish allergy			
	warning).					
	Davies et al., "Determination of the Methods in Enzymology 161:442-44		tin and Chitosan,"			
	Deal et al., "Nutraceuticals as Thera Glucosamine, Chondroitin Sulfate, a Am. 25:379-395 (1999).	and Collagen Hydrolysate," R	theum. Dis. Clin. North			
į	Department of Health and Human So and Crayfish, FDA News (2002) (av www.fda.gov.bbs.topics/NEWS/200	ailable at				
	Domanski et al., "Use of a Chitinase Production from Candida albicans,"		• •			
	Domszy et al., "Evaluation of Infrare Chitosan," Makromal. Chem. 186:16		for Analysing			
	Eichner, "Antioxidative Effect of Ma 5:441-451 (1981).					
	Farkas, "Fungal Cell Walls: Their S Acta Biotechnol. 10:225-238 (1990).		otechnological Aspects,"			
	Federal Trade Commission, Shark C					
	(2002) (available at www.ftc.gov/op					
MINLE	Ferrer, "Acid Hydrolysis of Shrimp-	Shell Wastes and the Product	tion of Single Cell			

EXAMINER SIGNATURE:	A	DATE	IDERED: 2/	3/0	7

Protein from the Hydrolysate," Bioresource Technol. 57:55-60 (1996).

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

•				
SLR:dm 01/27/06	6682-66957-02 447230 CGL02/0396W001 A55-522.1	Attorney Docket Number	6682-66957-02	
		Application Number	10/533,414	
INFORMATION DISCLOSURE STATEMENT			April 29, 2005	
		Filing Date	Rogers	
	BY APPLICANT	First Named Inventor		
		Art Unit	1623	
· · · · · · · · · · · · · · · · · · ·	101	Examiner Name	Michael C. Henry	
M·c·H	Fleet et al., "17 Fungal Glucans - St Physiol. 13B:416-440 (1981).		cyclopedia of Plant	
	"The Fungal Cell," Chapter 2, pp. 2	3-39 (Date Unknown).		
	Gassner et al., "Teichuronic Acid R Linked by Phosphodiester to Peptid 172:2273-2279 (1990).			
Ghorpade et al., "Industrial Applications for Levulinic Acid," Industrial Agricultu				
Product Center, University of Nebraska (visited Oct. 8, 2003)				
http://agproducts.unl.edu/levu.htm 8 pp.				
	"Glucosamine Hydrochloride," Pha	rmacopeial Forum 26:1449-	1450 (2000).	
	Gobin et al., "Structural Chemistry	of Fungal Polysaccharides," p	pp. 367-417 (1968).	
	Gomyo et al., "On the Interaction of 40:33-40 (1976).	f Melanoidin with Metallic Io	ons," Agr. Biol. Chem.	
	Hayase et al., "Scavenging of Activ 53:3383-3385 (1989).	e Oxygens by Melanoidins,"	Agric. Biol. Chem.	
	Huang et al., "Development and Va Assay for Lipophilic Antioxidants U Solubility Enhancer," J. Agric. Food	Jsing Randomly Methylated		
	Huang et al., "High-Throughput As Using a Multichannel Liquid Handl Reader in 96-Well Format," J. Agric	ing System Coupled with a Mcc. Food Chem. 50:4437-4444	ficroplate Fluorescence (2002).	
	Jacobson, "Berichte der Deutschen (German).	Chemischen Gesellschaft," pp	p. 2192-2200 (1898)	
	Jeremy Appleton, <i>Inadequate Scree</i> Integrative Medicine, 58-65 (availal Feb./Mar. 2003).			
	Johnston et al., "The Composition of 96:651-658 (1965).	of the Cell Wall of Asperigillu	ıs niger," Biochem. J.	

EXAMINER SIGNATURE:	DATE CONSIDERED:	2/3/07	
---------------------	---------------------	--------	--

Chemistry Letters, pp. 223-226 (1992).

Mikrobiol. Abstract (1978), 14(4), 586-593.

m·c. H

Kimura et al., "Determination of the Mode of Hydrolysis of Chitooligosaccharides by Chitosanase Derived from Aspergillus Oryzae by Thin Layer Chromatography,"

Kostina et al., "Chitin of mycelial fungi of the Penicillium genus," Prikl. Biokhim.

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/27/06 6682-	66957-02 447230 CGL02/0396WO01 A55-522.1		(600 66057 00		
		Attorney Docket Number	6682-66957-02		
		Application Number	10/533,414		
INFORMATIO	N DISCLOSURE STATEMENT	Filing Date	April 29, 2005		
	BY APPLICANT	First Named Inventor	Rogers		
		Art Unit	1623		
		Examiner Name	Michael C. Henry		
	Kurita, "Controlled Functionalizatio	on of the Polysaccharide Chiti	n," Prog. Polym. Sci.		
m.cH	<i>26</i> :1921-1971 (2001).				
	Kurita et al., "Studies on Chitin, 3, F	Preparation of Pure Chitin, Po	ly(N-acetyl-D-		
	glucosamine), from the Water-Solub				
	Kurita et al., "Studies on Chitin, 4, I	Evidence for Formation of Blo	ock and Random		
,	Copolymers of N-Acetyl-D-Glucosa	mine and D-Glucosamine by	Hetero- and		
	Homogeneous Hydrolyses," Makron	nol. Chem. 178:3197-3202 (1	977).		
	Maghami et al., "Evaluation of the \ Chem. 189:195-200 (1988).				
	Maitre et al., "Primary T-Cell and A	ctivated Macrophage Respon	se Associated with		
i i	Tumor Protection Using Peptide-Po	ly-N-Acetyl Glucosamine Va	ccination," Clin. Cancer		
	Res. 5:1173-1182 (1999).		TAID! C:		
	Mima et al., "Highly Deacetylated C	Chitosan and its Properties," J	. Appl. Polymer Sci.		
	28:1909-1917 (1983). Muzzarelli et al., "Chelating, Film-Forming, and Coagulating Ability of the Chitosan-				
Glucan Complex from Aspergillus niger Industrial Wastes," Biotechol. Bioeng. XXII:885					
	896 (1980).	nger moustrial wastes, 2.0.	0011011 2100116. 12 211000		
	Nanjo et al., "Purification, Properties, and Transglycosylation Reaction of β -N-				
	Acetylhexosaminidase from Nocardia orientalis," Agricult. Biol. Chem. 54:899-906				
	(1990).				
	Nanjo et al., "Purification and Chara	acterization of an Exo-β-D-G	lucosaminidase, a Novel		
	Type of Enzyme, from Nocardia or	ientalis," J. Biol. Chem. 265:	10088-10094 (1990).		
	Nanjo et al., "Enzymatic Method for Chitosan," Anal. Biochem. 193:164-		e of Deacetylation of		
	Nguyen et al., "Composition of the		pecies," Abstract		
	<i>50</i> :206-212 (1998).				
	Nikolaeva et al., CAPLUS Abstract,	, AN 1968:62461 (1968).			
	Nikolaeva et al., "Preparation of glu	cosamine from shrimp shells	, and its use in medicine,"		
	Tr. Vses. Nauchno Issled. Inst. Mors				
	(Abstract).				
	Nilsson et al., "Chitin as an indicato	r of the biomass of two wood	-decay fungi in relation		
	to temperature, incubation time, and media composition," Abstract, Canadian Journal of				
	Microbiology, (1998), Vol. 44, No.				
	Niola et al., "A Rapid Method for th				
m·c·f1	Chitin-Chitosan Samples by Acid H	ydrolysis and HPLC," Carbo	hyar. Kes. 238:1-9		
'1	(1993).				
EXAMINER		DATE $2/2$	/x-a		
SIGNATURE:	7-1	CONSIDERED:	07		
	f reference considered, whether or not in c				

CGL02/0396WO01 A55-522.1 SLR:dm 01/27/06 6682-66957-02 447230 6682-66957-02 Attorney Docket Number 10/533,414 **Application Number** April 29, 2005 Filing Date INFORMATION DISCLOSURE STATEMENT Rogers First Named Inventor BY APPLICANT 1623 Art Unit Michael C. Henry **Examiner Name** No et al., "Preparation and Characterization of Chitin and Chitosan - A Review," J. Aquat. MC# Food Prod. Technol. 4:27-51 (1995). Nogawa et al., "Purification and Characterization of Exo-β-D-Glucosaminidase from a Cellulolytic Fungas Trichoderma reesei PC-3-7," Appl. Environ. Microbiol. 64:890-895 Novikov et al., "Synthesis of D(+)-Glucosamine Hydrochloride," Russian J. Appl. Chem. 70:1467-1470 (1997). Novikov, "Kinetics of formation of D-(+)- glucosamine in acid hydrolysis of chitin," Russian Journal Abstract (Sankt-Peterburg) (1999), 72(1), 147-152. Ottoy et al., "Preparative and Analytical Size-Exclusion Chromatography of Chitosans," Carbohydr. Polymers 31:253-261 (1996). Ou et al., "Analysis of Antioxidant Activities of Common Vegetables Employing Oxygen Radical Absorbance Capacity (ORAC) and Ferric Reducing Antioxidant Power (FRAP) Assays: A Comparative Study," J. Agric. Food Chem., 7 pp. (2002). Pelletier et al., "Chitin/Chitosan Transformation by Thermo-Mechano-Chemical Treatment Including Characterization by Enzymatic Depolymerization," Biotechnol. Bioeng. 36:310-315 (1990). Plassard et al., "Estimation of mycelial growth of basidiomycetes by means of chitin determination," Abstract, Phytochemistry (Oxford) (1982), Vol. 21, No. 2, 345-349. Rege et al., "Chitosan Processing: Influence of Process Parameters During Acidic and Alkaline Hydrolysis and Effect of the Processing Sequence on the Resultant Chitosan's Properties," Carbohydr. Res. 321:235-245 (1999). Roberts et al., "Determination of the Viscomtric Constants for Chitosan," Int. J. Biol. *4*:374-377 (1982). Rokem et al., "Degradation of Fungal Cell Walls Taking into Consideration the Polysaccharide Composition," Enzyme Microb. Technol. 8:588-592 (1986). Ruiz-Herrera, "Chemical Components of the Cell Wall of Aspergillus Species," Arch. Biochem. Biophys. 122:118-125 (1967). Sabnis et al., "Improved Infrared Spectroscopic Method for the Analysis of Degree of N-Deacetylation of Chitosan," Polymer Bulletin 39:67-71 (1997). Sakai et al., "Purification and Hydrolytic Action of a Chitosanase from Nocardia orientalis," Biochimica et Biophysica Acta 1079:65-72 (1991).

	. <u> </u>		<u> </u>	
EXAMINER SIGNATURE:	A	DATE CONSIDERED:	2/3/07	

Chem. 177:3589-3600 (1976).

10:37-51 (1999).

M-C L

Sannan et al., "Studies on Chitin, 2, Effect of Deacetylation on Solubility," Makromol.

Shahidi et al., "Food Applications of Chitin and Chitosans," Trends Food Sci. Technol.

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

•			•			
SLR:dm 01/27	7/06 6682-669	957-02 447230 CGL02/0396WO01 A55-522.1		((02 ((057 02		
		Attorney Docket Number	6682-66957-02			
		Application Number	10/533,414			
INFOR	-	DISCLOSURE STATEMENT	Filing Date	April 29, 2005		
	B	Y APPLICANT	First Named Inventor	Rogers		
			Art Unit	1623		
			Examiner Name	Michael C. Henry		
M·CH		Shu, "Degradation Products Formed Chem. 46:1129-1131 (1998).	d from Glucosamine in Water	," J. Agricult. Food		
		Sigma, Biochemicals and Reagents	, p. 461 (2000).			
		Stagg et al., "The Characterization of Aspergillus Niger," 320:64-72 (1	973).			
		Stainer et al., "The Microbial World	d," <i>Prentice-Hall, Inc.</i> , pp. 33	2-336 (1970).		
	I I	Tan et al., "The Degree of Deacetyl UV-Spectrophotometry Method of		-		
		Troyano et al., "Monosaccharides a Food Chem. 44:815-817 (1996).				
		Wessels et al., "15 Fungal Cell Walls: A Survey," Plant Carbohydrates II, Extracellular Carbohydrates, pp. 352-394 (1981).				
		Wu et al., "Determination of Molec Performance Liquid Chromatograph	cular-Weight Distribution of C			
		Xianchang Gong, Heavy Metal Corregarding a crab shell glucosamine	ntaminates in the Glucosamin			
		Yang et al., "Acidic hydrolysis and Journal Abstract, Chinese Agriculton	determination of fungal myce			
		Yen et al., "Antioxidant and Prooxi Products," <u>The Maillard Reaction in</u> 236 (1998).	dant Activity of Xylose-Lysin Foods and Medicine, Ed. J.	ne Maillard Reaction O'Brien et al., pp. 231-		
M·CH		Yen et al., "Antioxidative Activity : Lysine Maillard Reaction Products,				

EXAMINER SIGNATURE:	DATE CONSIDERED:	/3/	7
		1	

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.